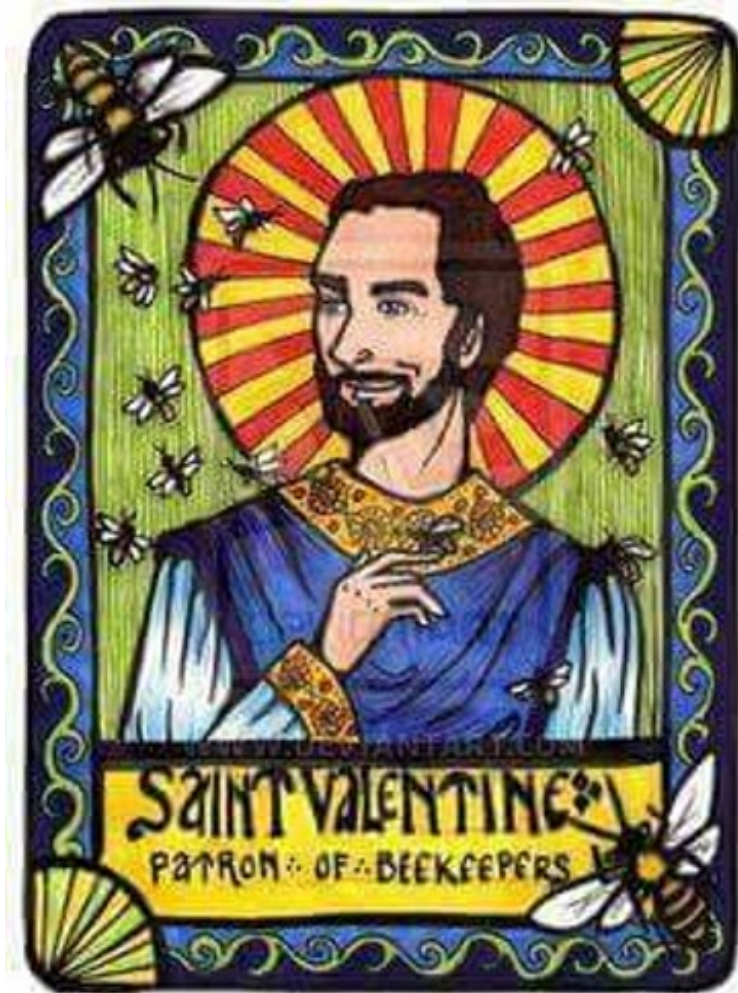




NPA Beekeeping Centre Support Event

14th February 2020

Happy Valentines day!



Delivering the NPA

- Assessment standardisation/ verification
- Examples of best practice
- SBA International young beekeepers

- Resources. (Dave Kearns)

Assessment standardisation/ verification

Verification can be

- within your school, science/ biology teacher.
- another N5 beekeeping teacher close by.
- an arranged group / area meeting.
- This year Ray and I met at Kelso high school and cross marked at the bee health day.
- Both schools have a verification policy to follow.

Assessment standardisation/ verification

Standardisation

Meeting to agree standards for passing N5 NPA

Issue:- We are spread out around Scotland.

Solutions:- Meeting will need to be central and funded.

Issue:- There are many varied ways of assessing. Standardising all these ways may be difficult.

Solution:- We standardise one way as an example.

Issue:- There are no pre-verified assessments or examples or a description of the standard.

Solution:- It may be a good idea to commission a small group to do this.

Sba/teachers meeting Friday 21st

National 5 Beekeeping meeting Friday 21st February. 10-3.30.
SSBKA Beespace nr Dumfries

Directions, see map below

<https://www.southofscotlandbeekeepers.co.uk/>

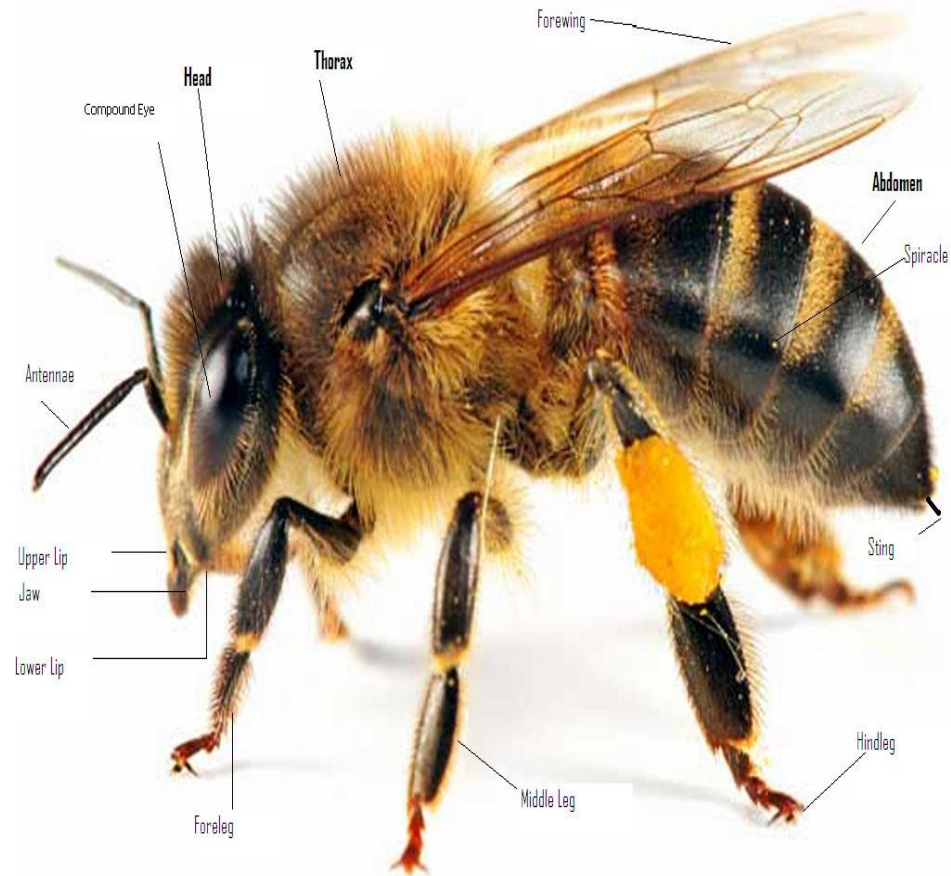
BeeSpace Training Apiary

Killylung, Holywood

Dumfries. DG2 0RL

Please contact Lorraine Johnston to confirm
your attendance at lorrajohn@hotmail.com

Keep it simple,
use pictures/images/posters as evidence



Share examples of checklists

	Personal Equipment – Protection for face, hands, ankles,
	Smoker or Water Spray – <i>Lighting/remaining lit, Use of, too much/too little. Control of bees</i>
	Reasons for opening a colony- <i>Check for food, eggs(Q), disease, space, swarm signs,</i> Importance of record keeping - <i>Q identity, performance, temper,</i>
	Use of Hive Tool – <i>Always in hand, correct levering, avoid unnecessary movement over tops</i>
Manipulative skills:	<i>Removal & placement of roof, super, Q excluder</i> <i>Removal of 1st frame avoiding rolling bees, removal of subsequent frames</i> <i>Handling combs, replacement without gaps.,</i> <i>Care of bees –avoid alarming, avoid trapping (squashed bees spread diseases).</i>
Identify:	<i>Worker & Drone comb, Q cells & cups, eggs, larvae & sealed brood (worker & drone)</i> <i>Adult Workers, Drones & Queen (if seen), honey (capped & unsealed) & Pollen</i>
	State no. of bees required for adult disease diagnosis- <i>(30),demo collection, where to send</i>
	Demo shaking bees off comb to check for brood disease OR correct way to hold frame for examination for AFB & EFB - <i>Horizontal with sun over shoulder to get a good look into cells</i>

Working with other departments



STEM/Bee Heath Day. RHET



DYW | **DUMFRIES & GALLOWAY** Developing the Young Workforce | **fdf** Scotland *passionate about food & drink* | **Dumfries & Galloway Challenge**

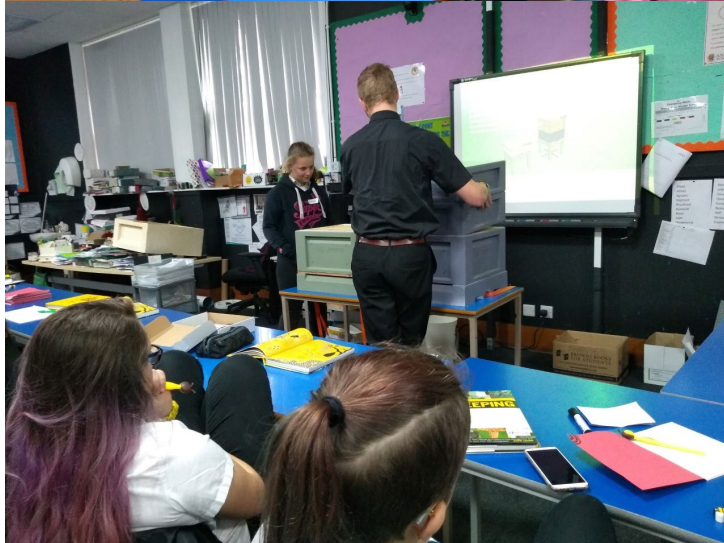
PRESENTS

BANG GOES DGI!

EVENT COVERS
ENGINEERING, TECHNOLOGY,
FOOD AND DRINK, DIGITAL,
SCIENCE AND MATHS

EASTERBROOK HALL, BANKEND ROAD,
DUMFRIES, DG1 4TA
ON MAY 8 2019

Bee Farmers. SBA. Tony Harris, Ann Chilcott



SBA, SSBKA, BBKA, Experts

N 5 BEEKEEPING DATES TERM 3

JANUARY

- 10TH IMYB DEADLINE
- 20TH F12 ASSESSMENTS
- 22ND SSBKA L MOLERO BEE INSPECTOR TALK
- 27TH F12 ASSESSMENTS

FEBRUARY

- 3RD, 10TH, 24TH, F12 ASSESSMENTS
- SSBKA TALK TBC
- 14TH VALENTINE'S DAY RAFFLE
- PREPARING HIVES AND FRAMES

MARCH

- 11TH SSBKA TALK. STUDENTS AND DR. MARK BARNETT
- BUILDING EQUIPMENT
- PREPARING THE APIARY
- FINISH ASSESSMENTS
- OTHER EVENTS MAY BE ADDED



Fundraising. Local businesses. Other schools Politicians Raise Awareness.



Share examples of multiple choice

How many queens usually live in a bee colony?

- 1
- 2
- 3
- 4

How many days does the egg stage last?

- 2
- 3
- 4
- 5

How many wings does a bee have?

- 2
- 3
- 4
- 5

How does the bee carry the pollen back to its colony?

- In its body
- On its front legs
- On its middle legs
- On its rear legs

Which organ prevents the nectar collected, being passed through into the bee's digestive system in order that it can be regurgitated back at the hive?

- Honey bladder
- Gut
- Proventriculus valve
- Gullet

Share Ideas & Evidence



Raise awareness

<https://www.itv.com/news/border/2019-06-03/watch-border-life/>

<https://www.bbc.co.uk/programmes/p06bjxhf>

I got a bee in my exam, mum!

Pupils study beekeeping and it could end up on curriculum

WHAT A BUZZ: Lorraine Johnston tends her hives. Below: the bee club at Annan Academy

thought I'd start a bee club at lunchtime. We were just doing fun things such as making candles and scattering wildflower seeds. Then the pupils started giving talks at primary schools. I've got bees personally and the South of Scotland Beekeepers Association donated a hive.

Defending its academic value, she said: 'There's loads of biology. They have been learning about the different types of bees and parts of bees. I think it's interdisciplinary. It covers lots of different areas. It can lead to other things - environmental studies, biology - there are all sorts of links to different practices.'

Emily Oaks, 13, is keen to sign up. She said: 'I want to be a vet and to study at the Royal Dick School in Edinburgh so I need to be able to stand out from the rest.'

Keeping good records

INSPECTION RECORDS

Hive Name:

Queen (Year / History)

Date	Queen	Queen Cells	Frames Used	Brood Frames	Health	Varroa	Feed	Supers	Weather	Temper	Notes

Key

Queen	✓ = Queen Seen M = Queen Marked	Frames Used	number of frames with bees	Health	List problems	Temper	1 = calm and lovely 10 = stingy buzzy monsters
Queen Cells	number seen X = number removed	Brood Frames	number of frames with brood. e = eggs seen	Varroa	Note count and treatments	Weather	s = sunny, c = cloudy, r = raining, w = windy

Worker Bees

Warning

Beekeeping is
addictive.

Workload issues are a
huge concern!



SBA Junior exam

There is **no requirement** for the candidate to be a member of the SBA however to sit the Junior Beekeeper Examination the candidate shall have reached their 10th Birthday but not yet their 16th birthday on the 1st of January of the year during which the examination is to be taken.

Apply **online** for your examination, or by post, complete the Exam Application Form and send it with the appropriate Fee to the Education Officer.

If students have already completed and passed the junior or adult basic exam you can use this for evidence for learning outcomes for n5. See RPA document for details



International Meeting of Young Beekeepers 2019

July 3 - 7, Banska Bystrica Slovakia,



Teams

An IMYB team

Three young beekeepers and two accompanying adults.

The adults take no part in the competition.

Team Scotland

An anonymous donation was made to the SBA to fund an IMYB team.

Three team members, one reserve and two accompanying adults.

2012 First Team Scotland, from Carrick Academy, venue Prague, Czech Republic.

2017 one team member, from Edinburgh, venue Marlborough, England.

2018 a full team from Edinburgh, Tarland and Lanarkshire, venue Nerac, France.

2019 a full team from Tarland and Annan, venue Banska Bystrika, Slovakia.

Team members need at least basic beekeeping skills



This is what we're looking for in Team members

Enthusiasm and commitment.

Being a member of the SBA, either a junior member or a family member.

Fitting the age range stipulated by IMYB, 12 and over, but not yet 18, by the date of the Meeting.

Having at least the SBA Young Beekeepers' Certificate or the SBA Basic Beekeeping Certificate or equivalent, or be ready to take a basic beekeeping exam.

Extra - entertainment skills useful.

Get-together day & RHS

Team members live all over Scotland so meeting up isn't easy, travel equals time and expense.

'Meet up' and tutoring opportunities -

A 'GoTo' meeting

A BHIP Bee Health Day

The Royal Highland Show

A 'get together' day

On-going beekeeping teaching and mentoring and support from parents



Presentations



IMYB Young Beekeeper of 2019. Do you have a winner for 2020?



11th
INTERNATIONAL
MEETING OF
YOUNG BEEKEEPERS
- IMYB

Ivančna Gorica,



Slovenia, 6th July -
10th July 2020

*Registration is now
open!*

Sharing resources

Guidance & resources are available from our shared resources

Glow = <https://outlook.office365.com/owa/grp-national5beekeeping@glowschools.org.uk/groupsubscription.ashx?action=join&guid=15c0c6ef-93cd-42af-8e5c-3072a77eb4d3>

N5 Facebook group

<https://www.facebook.com/groups/233222100785617/>

An updated version of Unit HP9R 45 'Beekeeping: Practical Skills' has been published.

The full revised Unit is now available:

<https://www.sqa.org.uk/sqa/files/nq/HP9R45.pdf>

The end! Thank You. Walking on sunshine



<https://www.bbc.co.uk/programmes/p06cdw6s>